

# ABSTRACT

Efficient packet traffic transmission equipment is provided by enhancing the transmission equipment already implemented in a carrier to have the packet processing  
5 function, with a reduced number of cross-connects for 1:n (point-to-multipoint) connection between nodes. Transmission equipment includes a switch board having a cross-connect portion for making a multiplexed packet signal to branch to predetermined paths; and a plurality  
10 of interface boards for interfacing the cross-connect portion with a multiplexed signal being transmitted on a path, wherein at least one of the plurality of interface boards is a dedicated interface board having a path switch function of demultiplexing the multiplexed packet signal  
15 to each packet to route the demultiplexed packet signal to a predetermined path.